

The high-frequency current pulsations in the gas discharge with liquid electrode

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Abstract

The electrical discharges are experimentally investigated in the air between the liquid electrolyte and metal electrodes. Spectra of the current signals are registered and analyzed in the megahertz frequency range. It is established that one of the main causes of the high-frequency current pulsations is the flow of products and the erosion of the sputtering electrodes in the discharge region.

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